

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:

Minoru MIYAZAKI et al.

Serial No. 10/620,420

Filed: July 17, 2003

For: ELECTRONIC CIRCUIT

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Examiner: Calvin Lee

Group Art Unit: 2825



INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
220 20th Street S.
Customer Window, Mail Stop RCE
Crystal Plaza Two, Lobby, Room 1B03
Arlington, Virginia 22202

Sir:

In accordance with the duty of disclosure as set forth in 37 C.F.R. §1.56, Applicants hereby submit the following information in conformance with 37 C.F.R. §§ 1.97 and 1.98. Pursuant to 37 C.F.R. § 1.98, a copy of each of the documents cited is enclosed.

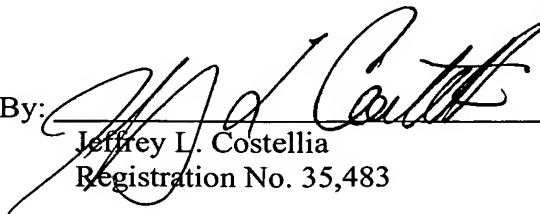
Applicants wish to bring to the Examiner's attention that Abstract of JP 02-132833 was previously cited in the Information Disclosure Statement submitted on May 17, 2004. In addition, applicants also wish to note that U.S. Patent No. 5,585,949 is in the same family as JP 04-295826.

It is requested that the accompanying PTO-1449 be considered and made of record in the above-identified application. To assist the Examiner, the documents are listed on the attached form PTO-1449. It is respectfully requested that an Examiner initial a copy of this form be returned to the undersigned.

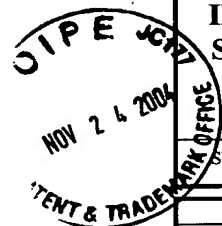
The Commissioner is hereby authorized to charge any fees connected with this filing which may be required now, or credit any overpayment to Deposit Account No. 19-2380.

Respectfully submitted,

By:


Jeffrey L. Costellia
Registration No. 35,483

NIXON PEABODY LLP
Suite 900
401 9th Street, N.W.
Washington, DC 20004-2128
Telephone: (202) 585-8000



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| Substitute for form 1449A/PTO | | | | Complete if Known | |
| INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i> | | | | Application Number | 10/620,420 |
| | | | | Filing Date | July 17, 2003 |
| | | | | First Named Inventor | Minoru MIYAZAKI et al. |
| | | | | Art Unit | 2825 |
| | | | | Examiner Name | Calvin Lee |
| Sheet | 1 | of | 1 | Attorney Docket Number | 740756-2624 |

| U.S. PATENT DOCUMENTS | | | | | |
|-----------------------------------|--------------------------|--|--------------------------------|--|---|
| Examiner Initials [*] | Cite No. ¹ | U.S. Patent Document | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
| | | Number - Kind Code ² (if known) | | | |
| | | US-4,907,040 | 03/06/1990 | Kobayashi et al. | |
| | | US-5,055,899 | 10/08/1991 | Wakai et al. | |
| | | US-5,187,604 | 02/16/1993 | Taniguchi et al. | |
| | | US-5,493,129 | 02/20/1996 | Matsuzaki et al. | |
| | | US-5,585,949 | 12/17/1996 | Yamazaki et al. | |
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| FOREIGN PATENT DOCUMENTS | | | | | | |
|-----------------------------------|--------------------------|--|--------------------------------|--|---|----------------|
| Examiner Initials [*] | Cite No. ¹ | Foreign Patent Document | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear | T ⁶ |
| | | Country Code ³ Number ⁴ Kind Code ⁵ (if known) | | | | |
| | | JP 02-132833 | 05/22/1990 | Kawaguchi et al. | | FULL |
| | | JP 04-295826 | 10/20/1992 | Yamazaki et al. | | AB |
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| OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS | | | |
|---|--------------------------|---|----------------|
| Examiner Initials [*] | Cite No. ¹ | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T ² |
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| Examiner Signature | | Date Considered | |
|-----------------------|--|--------------------|--|

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.